

In the Specification:

Page 18:

The invention has significant advantages. The annular pneumatic chamber and the annular restrictor chamber provide feeding and feed rate control without generating unbalanced moment arms. The processor reduces the chances for an operator from drilling with a bit that is too dull by keeping not only a running count of the holes drilled but also determining the elapsed time that each hole requires to drill. The processor thus provides electronic monitoring of the bit condition. Utilizing pressure pulse switches avoids having ~~mechanicals~~mechanical limit switches. The pneumatic circuitry provides independent air pressure to the motor from the feed chamber. This assures that the motor is always turning during retraction.